



TRACK 5: HEALTHY GREEN

SESSION NAME • DAY • TIME • ROOM • CEUs

PRESENTER(S)

PURPOSE OR GOAL

What We Know About Health Impacts of Energy Upgrades: Current Research
5A-01

Monday, 1-2:30pm
Room 111

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Sarah Widder
Pacific Northwest National Laboratory

Bruce Tonn
Oak Ridge National Laboratory

Jennifer Logue
Lawrence Berkeley National Laboratory

This session will provide insight into the current research on health impacts related to indoor air quality and energy retrofits in existing homes. Each of the studies presented in this session will provide a unique perspective on the integration of energy upgrades and health, including collaboration between programs, analysis of existing technologies, and design of effective mitigation systems. A 30-minute panel discussion on the issues will follow the presentations.

Green & Healthy Homes Initiative (GHHI) Overview & Tutorial
5A-1

Monday, 1-2:30pm
Room 601

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Ruth Ann Norton
The National Coalition to End Childhood Lead Poisoning

This session will provide a general overview of the Green and Healthy Homes Initiative (GHHI) and highlight key innovative elements behind this service delivery model currently underway in 15 pilot sites. This session will also highlight inefficiencies in current assessment coordination, emphasizing the need for and benefits of a holistic housing intervention model to address housing-related health, safety, and energy efficiency issues in older, low-income neighborhoods.

Making Health and Safety Standard Practice: Health & IAQ Protocols for Residential Energy Retrofits and Upgrades
5A-2

Monday, 1-2:30pm
Room 603

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Eric Werling
U.S. Environmental Protection Agency

Ellen Tohn
Tohn Environmental Strategies

This session will discuss opportunities energy auditors, home inspectors, and contractors have to make homes healthier. It will also include a review of recently developed EPA guidance that provides simple assessment protocols and low-cost strategies for addressing health and indoor air quality (IAQ) concerns during residential energy retrofit and upgrade activities. Finally, the session will include a discussion of opportunities for expanding health and safety standards into both the energy efficiency sector and the home inspection field.

Green & Healthy Homes Initiative (GHHI) Assessment Tool
5B-1

Monday, 3:00-4:00pm
Room 601

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Wesley Stewart, Hector Moreno
The National Coalition to End Childhood Lead Poisoning

Ken Strong
Baltimore City Housing Department

This session will provide an overview of the Green and Healthy Homes Initiative (GHHI) Comprehensive Assessment Tool (CAT), a handheld, software-based assessment that can be performed by any housing inspector to enable quick triage and cross-referrals. Local governments, tribes, non-government organizations, and federal and state government agencies servicing low income families with housing-related health, safety, and energy efficiency issues will learn more about the development, use, and benefits of the GHHI CAT.



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Who is Doing Healthy Weatherization and How?
5B-2

Monday, 3-4:00pm
Room 603

Approved for CEUs by: ABIH, ACAC,
NAHBBPI, NARI

Shelley Kawamura
Institute for the Built Environment

Jenae Bjelland, Lynne Page Snyder
National Association for State Community
Services Programs

This session will highlight the needs of current weatherization programs and their attempts to integrate healthy homes standards into practice. First, it will provide an overview of the potential health impacts related to remodeling and weatherization programs, then discuss approaches and resources for integrating healthy homes practices, and finally, describe an online inventory tool containing healthy housing-related practices and collaborations as related to the Weatherization Assistance Program at the state, tribal, and local levels.

**Green & Healthy Homes Market
Research Results**
5B-03

Monday, 3-4:30pm
Room 709

Approved for CEUs by: ABIH, ACAC,
NAHBBPI, NARI

Stephanie Bailenson
National Academy of Public Administration

Matt Ammon
U.S. Department of Housing and Urban
Development, Office of Healthy Homes
and Lead Hazard Control

Ruth Ann Norton, Michael McKnight
The National Coalition to End Childhood
Lead Poisoning

Denise Fairchild
Emerald Cities Collaborative

Monica Wang, Sophia Qiu
Harvard School of Public Health

This session will present the results of three efforts to investigate the actual and perceived barriers to integrating green and healthy housing interventions into weatherization and energy efficiency upgrade programs. Results include examinations of the current state of housing and weatherization.

**Radon Mitigation in Existing Homes:
Proven and Innovative**
5C-2

Monday, 4:15-5:15pm
Room 603

Approved for CEUs by: ABIH, ACAC, NAHB, NARI

William Angell
Midwest Universities Radon Consortium
(MURC), University of Minnesota

This session will provide innovative alternatives to active soil depressurization (ASD) approaches to radon mitigation. This discussion will focus on the available research and other evidence concerning cost-effectiveness of non-ASD radon mitigation approaches targeted to low-income areas.



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DOE Weatherization Assistance Program Health and Safety
5H-1

Monday, 4:30-5:30pm
Room 601

CEU: ABIH, ACAC, NAHB

Ryan Middleton
U.S. Department of Energy

DOE issued revised Health and Safety Guidance WPN 11-6 in response to concerns with clarity and consistency in how health and safety issues are approached by grantees. The guidance addresses Action/Allowability, Testing, Client Education, and Training for health and safety issues found during Weatherization. DOE reconvened its Health and Safety Committee to review trends and practices of the Weatherization network for this update. The guidance expanded to include several new health and safety topics, while reframing program limitations around "energy related" health and safety, with minor changes and clarifications, into a comprehensive user-friendly table. This session will outline the guidance and offer discussion around the abilities of the Weatherization Assistance Program to address certain health and safety issues and what may be done if the solution cannot be addressed with DOE funding.

Weatherization & Health: The Devils Are in the Details
5D-1

Tuesday, 1-2:30pm
Room 601

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Randall Olsen
Oregon Housing and Community Services

Arnie Katz
Advanced Energy

Ellen Tohn
Tohn Environmental Strategies

This session will address the primary health and safety issues related to weatherizing homes and discuss how those dangers can be avoided during the course of work on homes. One perspective will demonstrate a process through which decision-makers can translate health-related policy goals into proper field-verified construction details while another perspective will focus on how to minimize health impacts during weatherization using pressure balancing as a specific part of a weatherization strategy.

Lead Program Expert Panel: RRP Rule and Updates from the Field
5D-2

Tuesday, 1-2:30pm
Room 603

Approved for CEUs by: ABIH, ACAC, NAHBBPI

Nancy Clark
New York City Department of Health and Mental Hygiene, Bureau of Environmental Disease Prevention

Judy L. Jarrell, William G. Menrath
University of Cincinnati

Gregory Runevitch, Jamie Marshall
Corporation for Ohio Appalachian Development and Ohio Lead Abatement Center

Scott Alquist
Truckee Meadows Community College

This session will provide background on the Renovation, Repair, and Painting (RRP) rule, with a specific focus on training those in the field in lead-safe work practices. This session comprises four different perspectives on strategies to achieve compliance with the RRP rule and includes a panel discussion on key updates from the field of lead-safe renovation.



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Lessons Learned from Integration of Healthy Homes into Energy Conservation Programs
5D-03

Tuesday, 1-2:30pm
Room 709

Approved for CEUs by: ABIH, ACAC, NAHBBPI

Yianice Hernandez
Enterprise Community Partners, Inc

Jill Breyse
National Center for Healthy Housing

Cheryn Engebrecht
National Renewable Energy Laboratory

This session will examine the positive and negative effects of energy efficiency upgrades on human health and some of the challenges facing energy programs attempting to integrate standard health practices into their programs. This session will include an overview of creative approaches to financing building performance and health improvements within the energy efficiency industry.

Healthy Homes: The Delicate Balance Between Energy Efficiency and Good Indoor Air Quality
5E-04

Tuesday, 3-4:00pm
Room 711

Approved for CEUs by: ABIH, ACAC, NAHBBPI

Marilyn Black
GREENGUARD Environmental Institute

The continued growth in asthma, allergies, and neurological diseases coupled with the fact people spend over 70% of their time in their homes, raise concerns and calls for proactive steps in reducing indoor pollutant exposure. This session will focus on common material sources of indoor pollution and steps that can be taken during construction, design, and occupancy of homes to achieve healthier environments.

Addressing Indoor Air Quality in Multifamily Buildings
5E-1

Tuesday, 3-4:30pm
Room 601

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

William Angell
Midwest Universities Radon Consortium (MURC), University of Minnesota

Theodore Toon
U.S. Department of Housing and Urban Development, Office of Affordable Housing

Many housing programs have failed to address health risks to low-income households and others living in multi-family dwellings. This session presents approaches and case studies by the U.S. Department of Housing and Urban Development (HUD) Office of Affordable Housing Preservation and the American Association of Radon Scientists and Technologists (AARST) Standards Consortium, that are aimed at filling this data gap and providing guidance on indoor air quality assessment and mitigation in multi-family buildings.



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Infrared Thermography: Brilliant but Dangerous
5F-2

Tuesday, 4:45-5:15pm
Room 603

Approved for CEUs by: ABIH, ACAC, NAHB

Corbett Lunsford
Green Dream Group

This session will discuss the energy auditor's "coolest" accessory: the infrared camera. With an emphasis on what infrared thermography does, how it can make the energy auditor's work easier and faster, and when to ignore it, this session will cover the basics of infrared thermography and how to avoid missteps in gathering and interpreting the data.

Partnering with Philanthropy
5G-02

Wednesday, 1:30-3:00pm
Room 113

Approved for CEUs by: ABIH, ACAC, NAHBBPI

Solomon Greene
Open Society Foundations

Scot Spencer
Annie E Casey Foundation

Denise San Antonio Zeman
Saint Luke's Foundation

Cara Matteliano
Community Foundation for Greater Buffalo

This roundtable discussion will be a follow up to the philanthropy plenary session to provide hands-on advice about how to successfully apply for traditional and non-traditional sources of funding to support green and healthy housing programs. The roundtable will focus on how to use funding to support sustainable programs and how to leverage funds with government and non-government funding.

**Weatherization Plus Health:
From Workforce to Implementation**
5G-42

Wednesday, 1:30-3:00pm
Room 207

Approved for CEUs by: ABIH, ACAC,
NAHBBPI, NARI

John Davies
Opportunity Council Building
Performance Center

John Mello
Baltimore Center for Green Careers,
A Civic Works Venture

Ruth Ann Norton
The National Coalition to End Childhood
Lead Poisoning

Ken Strong
Baltimore City Housing Department

Debbie Paton
Opportunity Council, Community Services

Jennifer Somers
U.S. Department of Energy

Home assessment, education, and project coordination requires a dynamic and collaborative approach to successfully reduce lead hazards, eliminate combustion by-products in the home, mitigate high moisture conditions, and control dust entering the house. This session will discuss the systems needed to ensure and monitor a coordinated approach from eligibility through project completion, using the city of Baltimore as an example of unprecedented local collaboration around green and healthy homes, energy efficiency workforce development, and contractor creation to achieve green job creation and strong healthy communities.



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Learning Networks and Partnerships to Enhance Green and Healthy Homes Programs
5G-1

Wednesday, 1:30-3:00pm
Room 601

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Elizabeth Glenn

Baltimore County Office of Community Conservation

ChaNell Marshall

CNT Energy

Tina Preston

Erie County Department of Health

Marlies Wesolowski

Lt. Colonel Matt Urban Human Services Center

This session will describe how to design, establish, and successfully manage a green and healthy building program, using case examples in Chicago, Buffalo, and Baltimore to illustrate successful implementation of these programs. The session will provide detailed discussion of program design, staffing, philosophy, challenges, collaborations, resources, certifications, inspections, contractor requirements, legal issues, data capture, measures of success, follow-up strategies, monitoring, and how to tell the story of your successful program.

Toward Healthier Building Codes and Rehabilitation Standards
5G-2

Wednesday, 1:30-3:00pm
Room 603

Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Gerard Diaz

Community Revitalization Training Center/
Gerard Diaz Associates

Dan Scannell

California Dept. of Public Health -
Childhood Lead Poisoning
Prevention Branch

Nancy Clark

New York City Department of Health and
Mental Hygiene, Bureau of Environmental
Disease Prevention

This session will focus on integration of healthy homes principles into implementation of building codes and rehabilitation standards. It will include: how codes and standards address healthy homes issues, how they get revised, how they relate to healthy homes programs, and how to develop training courses to educate code enforcers and emphasize healthy homes policies.